

4 WIRE DUCT SMOKE DETECTOR DH400ACDCI / DH400ACDCP

FEATURES:

- 24VDC or 24VAC operation
- Sounder output
- Remote LED output
- Equipped with DPDT Auxiliary Relay Contacts
- Air velocity rating from 2.5 m/s to 20 m/s
- Remote test station and remote annunciator accessories
- Clear polycarbonate cover for easy visual inspection of sampling tube filters
- Suits round or rectangular ducts 0.3m - 3.6m wide

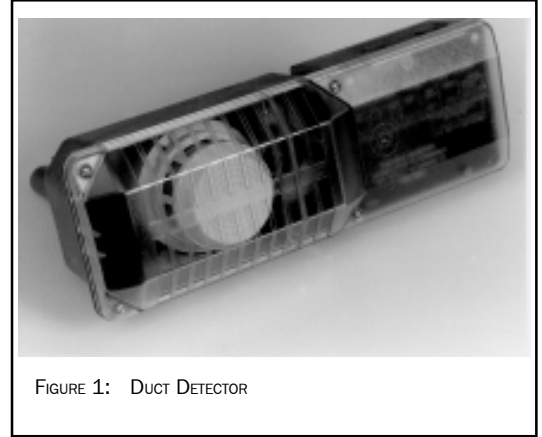


FIGURE 1: DUCT DETECTOR

MODELS AVAILABLE

- DH400ACDCI Ionisation Duct Smoke Detector
- DH400ACDCP Photoelectronic Duct Smoke Detector

DESCRIPTION:

System Sensor's DH400ACDC duct detector can be used either as part of a fire detection system with a control panel or as a stand-alone duct smoke detector which can be used to activate a sounder and shutdown fans, blowers or air-conditioning systems, so preventing the spread of toxic smoke and fire gases through the protected area. The twist-in, twist-out heads allow for quick and easy cleaning or application changes without removing the duct housing.

Since duct detectors are often mounted in inaccessible areas, the RTS-451 remote test station can be mounted at a convenient location and allows the detector head to be tested without the need for access to the duct detector.

Sampling tubes are available separately in four different lengths to suit ducts from 0.3m to 3.6m wide.

ELECTRICAL SPECIFICATIONS:

Power Supply Voltage	20 - 29VDC	24VAC 50 - 60Hz
Max Standby Current	25mA	35mA RMS
Max. alarm current	95mA	55mA RMS

CONTACT RATINGS

Alarm Initiation Contacts (SPST)	2.0A @ 30VAC/DC
Alarm Auxiliary Contacts (DPDT)	10A @ 30VDC
Trouble Contacts (SPST)	0.3A @ 32VDC (resistive)

EUROPEAN HEADQUARTERS
SYSTEM SENSOR EUROPE
3 HORSHAM GATES
HORSHAM
WEST SUSSEX
RH13 5PJ
UNITED KINGDOM
TEL : +44 1403 276500
FAX : +44 1403 276501
e-mail: Sales@ssuk.com

EUROPEAN MANUFACTURING CENTRE
PITTMAY TECNOLOGICA SPA
VIA CABOTO 19
34147 TRIESTE
ITALY

TEL : +39 40 9490 111
FAX : +39 40 382137



ACCESSORY DRIVE CURRENT

Maximum Accessory Standby Current (Remote LED+Sounder + Remote Test Station)	100mA
Maximum Accessory Alarm Current (Remote LED+Sounder + Remote Test Station)	150mA
Remote Test Station Current (Standby)	0mA
Remote Test Station Current (Alarm)	7mA (continuous)
Remote Test Station Current (Magnet present)	78mA (max)
Alarm Output Voltage (Input Voltage 20V -29V)	18 - 28V

PHYSICAL / ENVIRONMENTAL SPECIFICATIONS

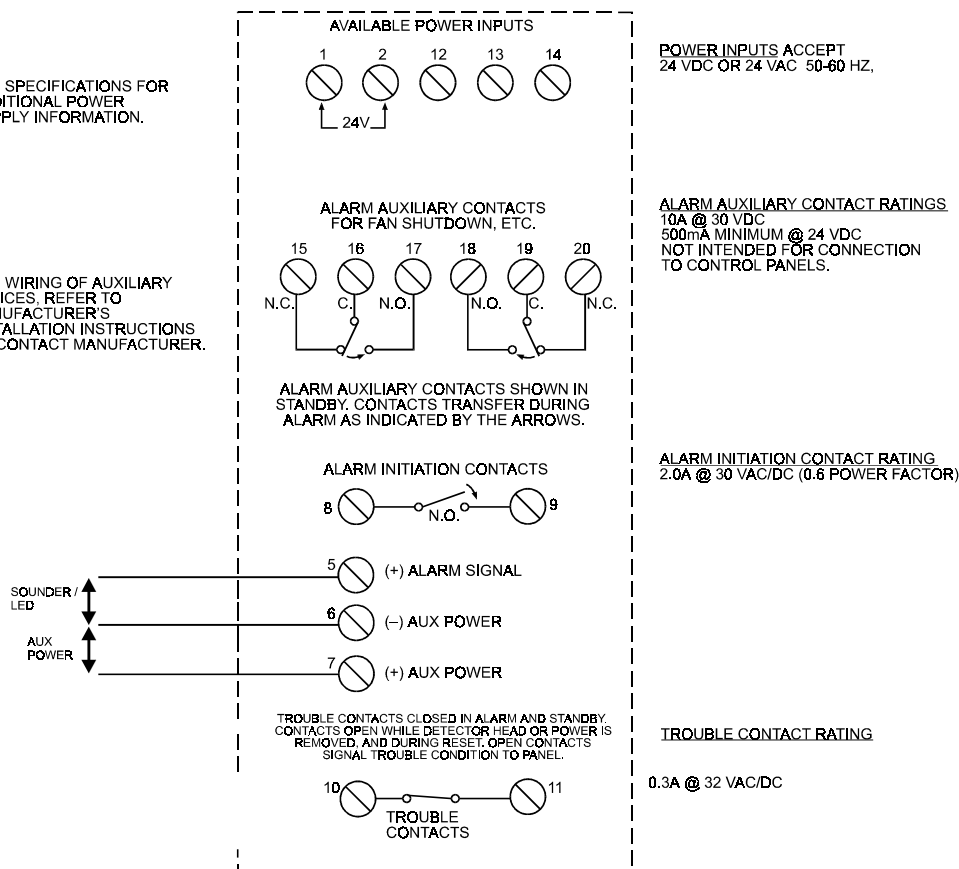
Operating Humidity Range:	10% to 93% Relative Humidity, non-condensing
Operating Temperature Range:	-10°C to +60°C
Length:	367mm
Width:	127mm
Depth:	102mm
Weight:	2.0kg
Duct air velocity:	2.5 m/s to 20m/s

ACCESSORIES:

ST-1.5	Sampling tube for ducts 0.3m to 0.6m wide
ST-3	Sampling tube for ducts 0.6m to 1.2m wide
ST-5	Sampling tube for ducts 1.2m to 2.4m wide
ST-10	Sampling tube for ducts 2.4m to 3.6m wide
RTS-451	Remote test station
F36-05-00	Replacement air filters (two per package)
A2650-01	Replacement installation kit (mounting hardware)
I56-473-02	Guide for Proper Use of Smoke Detectors in Duct Applications

SEE SPECIFICATIONS FOR ADDITIONAL POWER SUPPLY INFORMATION.

FOR WIRING OF AUXILIARY DEVICES, REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS OR CONTACT MANUFACTURER.



DH400ACDC
DUCT DETECTOR

DH400ACDC Wiring Diagram